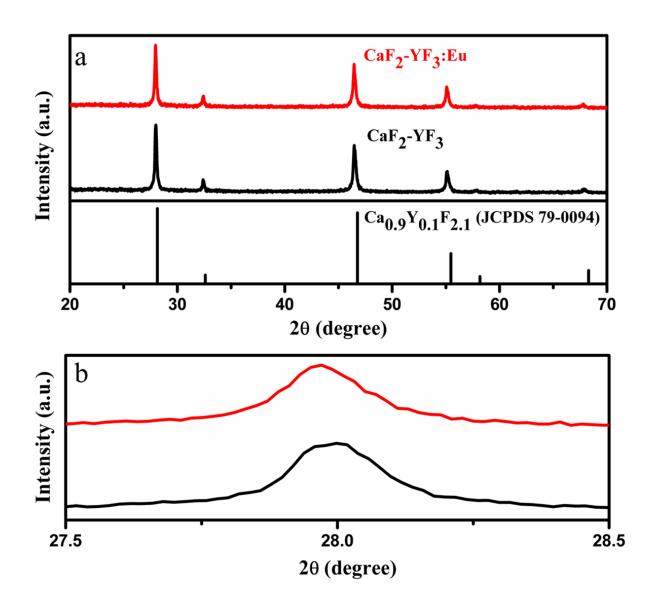
## **Electronic Supplementary Information (ESI)**

## Facile Hydrothermal Synthesis and Luminescent Properties of Eu-Doped CaF<sub>2</sub>-YF<sub>3</sub> Alkaline-Earth Ternary Fluoride Microspheres

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**Figure S1** (a) The XRD patterns of  $CaF_2$ -YF<sub>3</sub> (black line) and Eu-doped  $CaF_2$ -YF<sub>3</sub> (red line), and (b) their corresponding partial enlarged detail.

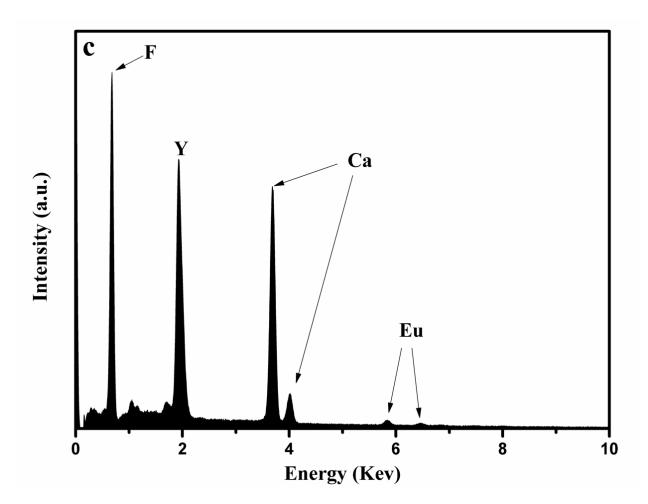


Figure S2 The EDX spectrum of Eu-doped CaF<sub>2</sub>-YF<sub>3</sub>.